

Oklahoma & Tennessee
with Ross & Dutro
1966

September 20

Left Washington in a downpour at 8:45 AM. Arrived in Okla. City 10:45 in clear weather. Went directly to Tourist court and found our car very near there. Car picked up and went out to University, spent rest of day with Tom Amosden & Charlies Harper. Dinner in evening with Harpers & Amosdens.

Sept. 21

Spent part of morning at University with Carl Branson. Met Bob Faye who is going out with us. In late morning left for Ardmore. Settled in there, then went on to Rock Crossing. This place has been messed up by highway work and the creek backed over some of Red outcrops. The bluff near the road is still fairly good.

Sep 4 22

Went over Highway 77 section.
Joints with col at base, 8' above
it, first thin bed with Desmoceras.
Found Desmoceras through
most of the section. Anomoloceras
common a little higher but was
fairly common throughout all of
the joints. Oil Creek boundary
with joints not easy to see
but seemed to be a sandy zone.
Oil Creek more calcarenous or
calcareous than joints.

Anomoloceras common throughout
a large Orthambonites in Oil
Creek not far above contact.
Tinlobites seen from about
middle to top of Oil Creek.
Anomoloceras seen to within
50' of the top. A Ctenodonta and
occasional other clam near top.

McLish sand with fairly
common modioloid pelecypods.
Atelecasma (small), Ptychoglyptus
and Orthambonites seen in lower
100 feet of McLish. Did not see
the Douybeta. Small orthoids
very common throughout most
of McLish but not identifiable
but they might be small
Orthambonites, Ptychoplenella or
possibly small Mimellae.

Evening went to Murray Lake with
A. Goffham & Bob Fager.

Sept. 23

Morning to Spring Creek to
see Brookside section. Fern
found *Oxoplectia conica*
in lower 10 feet of Brookside.
Fascifera occurred in bottom
of Fortville as well as top of
the Mountain

Afternoon went to Nels, $1\frac{1}{2}$ mi. W
to see Valcanas in the ~~the~~
Tulip Creek. Then went to $1\frac{3}{4}$ mi.
W of Central Church (Sulphur South
 $7\frac{1}{2}'$ [?]) to collect a glade surface
in Poolville

Went on to 1.8 mile S of
Sulphur for Mountain Lake
and *Viola* in small quarry.

Sept. 24

Drove from Ardmore to
south side of Memphis
where we arrived at 6:30

Sept. 25

In route to east Tennessee
visited a locality in Birdsong
 $1\frac{1}{2}$ northeast of Parsons. Went
to Blue Mound Glade in
afternoon and to Murfreesboro
for the night.

Sept. 26.

Left Murfreesboro & went to
Walter Hill to see type Peirce.
Went S to near Mt. Carmel
for Lebanon. Then went
Marshall Knob to see Rue
Ridley. Collected *Slyptothrix*
about 20' up in Ridley &
Anastrephosphaera heather
top of Rue Knob and near the
top of Rue Ridley.

Went to Readerville and saw
Cryptoglochoma again in Rue
Knob layer of calcsomite at
the west end of the cut.
Got to Cleveland at
7:30 P.M.

Sept. 27

Went from Cleveland to Hiwassee R. Found the road all changed and the bluffs cut way back. The section is revealed almost in its entirety unfortunately the Christiana beds have been completely covered. The cuts are so fresh that fossils do not show up.

At quarry 1 mile NE of Athens the lower Athens has numerous Apatomorphia, also ~~numerous~~ numerous Christiana. One large Atelelasma (complete) taken.

Went to see Lenoir 2 miles S of Philadelphia. Rostrocellula seen in lower mudstones. Valvona & Mimella common in lower part of quarry. Machmites common in upper part of Lenoir. Went on to Mayville and put Newman on plane for Washington.

Sept 28

Visited Friendsville - found sections cleaned and very well picked.

Sept 29

Went from Maysville to Heiskell to see section there.

Found 10' of Tumbey at section SE of Mt. Edgar church.

In Heiskell section Rec 40 feet of beds above the lower 280' of the Moesasian are very fossiliferous. Bryozoans are abundant.

Wound up at Taywell for night.

September 30

Went to Evans Ferry. A good section of Elway appears on the north slope of the hill bounding the north side of the loop cut off by the new road. Dinorhinus holdenii is common. Below the Elway were dolomitic mudstones of the Blackford type but the

Morcam

? Witten thickness was not determined.
It does not appear to be very
thin.

60' Bowen Thick.

Out on the main road a
superb section has been opened
up by the new highway. The
knock is exposed on the north
covered side of the gap produced by the
old road. On the south side
of the gap the section begins
in the Lincolnshire (Edder).
Dinorthis and Lowerbites appear
in the lower part of the cut.

The gap made by the old road
represents the Elway. The north
slope along that old road and
the little stream is covered by
blocky chert and numerous
silicified Dinorthis holdenii. The
Elway is estimated to be about
75' to 100'.

55 Edson The Edson is a shaly limestone
with thick beds of dark cherty
limestone. The shaly parts suggest
marl passage to the Blackford
Knox type of facies. The Edson was
estimated to be 55 feet.

The Hogskin is estimated at
66 feet thick. It contains
Pectocranaria and Oligorhynchia.

Following the Hogskin is Rockdale,
a dark gray calcarenite 175' thick,
very massive for the most part.

The Beubolt has a massive
calcareous about 115' above the base
but is mostly nodular shaly limestone
bluish gray weathering yellow.
The Wardell-Beubolt boundary, if
any, is covered.

The Wardell is 225 feet of
thin-bedded and shaly limestone
with beds of yellow mudstone,
especially near the top. The
Brota, red and yellow mudstone
separates the Wardell from the Witter.

The Witter is gray thin-bedded
limestone much conforted near
the middle. The section is capped
by Maccaisin redbeds

October 1

Rained hard all morning.
Discussed sections until 1
10:30. Packed and sent off
Rubes specimens.

Went to St. Clair to see
Arline, Effua and Paperville.
Also Whittsburg.

Went on to Mt. Hagan
School on Hilton Dr for
Benzolt. Marion overnight

October 2

From Marion to Lexington
which we reached at noon.
Went west to Collertown to
see section from 2 to 3 miles
east of Collertown on the
highway 251. The sequence
along the highway is complica-
ted by faulting and folding.
The Collertown fm. is on
the hillside above a Texaco
filling station. Much of the
Collertown is cobbled with
many of the cobbles made
up of masses of fossils.
Found a *Bellinaria* in the
Collertown.

October 3

From Lexington to see Whistle Creek locality which is $2\frac{1}{4}$ miles NW of Junction US 60 and US 11, and about 100 yards SE of bridge over Whistle Creek.

Went on to Harrisonburg and then to Green Mount. Road has been widened and cut made better but rock is fresh and collecting poor. The Oranada beds at intersection of 910 + 777 also has been cut back and is much poorer than it used to be.

Visited locality 0.3 mile E of 617 on Co. 7812. Here there is fairly good pinky rock in the Oranada.